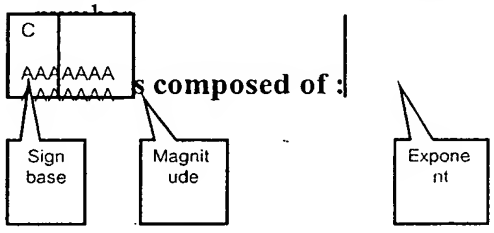
IN THE SPECIFICATION:

Please rewrite the table on page 8 as follows:

S. No.	Description	DNA Based Number
2.	Limits to integer representation in n bases/cell	Maximum: $+4^{n-1} - 1$ Minimum: -4^{n-1}
3.	Integer addition	**Addition of 100 and 63 :** Carry TT AAA TCTA $(100)_{10}$ + AAA AGGG $(63)_{10}$ Result AAA CCAG $(163)_{10}$
4.	Integer subtraction	**Subtracting 63 from 100:** Sol.Complement of $(63)_{10}$ is taken and added to $(100)_{10}$ Carry T T T T A A A T C T A $(100)_{10}$ + G G G G A A T $(-63)_{10}$ Result A A A A C T T $(37)_{10}$ Note: Extra carry T has to be ignored
5.	Real number representation	**Real numbers are represented as Floating-Point in 32-bases/cell.** Having three components i.e. sign bit, magnitude and exponent: - leftmost base represents the sign + next 23bases represent the magnitude + rest 8 bases represent exponent - Sign base "T" represents positive real number - Sign base "C" represents negative real **Real s composed of :** 
6.	Real number addition	**Addition of 1.1 and 1.1** Soln. Magnitude is taken for prcocessing: Carry T T AAAAAAAAAAAAAAAAAAAAACGAAA AAAAT $(1.1)_{10}$ (SEQ ID NO:1) +AAAAAAAAAAAAAAAAAAAAACGAAA AAAAT $(1.1)_{10}$ (SEQ ID NO:1) =AAAAAAAAAA AAAAAAAAATTC

Please rewrite the table on page 9 as follows:

S. No.	Description	DNA Based Number
		AAAAAAAT $(2.2)_{10}$ (SEQ ID NO:2)
7.	Real number subtraction	**Subtracting 12.3 from 10.1** Soln. Addition of 10.1 and -12.3 would give the result T AAAAAAAAAAAAAAAAAAA TCTT AAAAAAAT (10.1)10 (SEQ ID NO:3) +C GGGGGGGGGGGGGGGGGGG CATT AAAAAAAT (-12.3)10 (SEQ ID NO:4) =C GGGGGGGGGGGGGGGGGGG GCCC AAAAAAAT **(-2.2)10** (SEQ ID NO:5)

After page 9, last line, add the following Sequence Listing on a separate page: